

CARGO SMOKE DETECTOR AND RELATED METHOD FOR REDUCING FALSE DETECTS

ABSTRACT OF THE DISCLOSURE

A method for reducing false detects may include emitting an infrared light beam from a primary emitter to a primary monitor detector, measuring a first voltage value using a primary receive detector and setting a primary smoke alarm flag corresponding to a primary channel if the first voltage value is above a first threshold value. The method may also include measuring a second voltage value using a secondary receive detector, setting a secondary smoke alarm flag corresponding to a secondary channel if the second voltage value is above a second threshold value and setting an alarm indicating a smoke condition if the primary smoke alarm flag and the secondary smoke alarm flag are set.